

PATENT ABSTRACTS OF JAPAN

(11)Publication number : 06-207170

(43)Date of publication of application : 26.07.1994

(51)Int.Cl.

C09K 11/06
H05B 33/14

(21)Application number : 05-290207

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(22)Date of filing : 19.11.1993

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(30)Priority

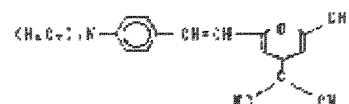
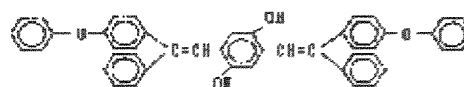
Priority number : 04311889 Priority date : 20.11.1992 Priority country : JP

(54) WHITE ORGANIC ELECTROLUMINESCENCE ELEMENT

(57)Abstract:

PURPOSE: To provide a new white organic electroluminescence element having a specific construction, emitting white luminescence in high luminous efficiency and stability and suitable as a light-emitting element for various displays.

CONSTITUTION: The organic electroluminescence element is produced by sandwiching an organic compound containing luminescent layer between a pair of electrodes. At least one of the electrode is (semi) transparent. The luminescent layer has a laminated structure consisting of the 1st luminescent layer containing an organic compound having fluorescence peak wavelength of 380-480nm in solid state (e.g. the compound of formula I) and the 2nd luminescent layer containing an organic compound having a fluorescence peak wavelength of 480-580nm in solid state (preferably 8-hydroxyquinoline, etc.) laminated on the transparent electrode or anode in the order. At least one of the 1st luminescent layer, the 2nd luminescent layer and the other organic compound is incorporated with 0.1-10mol% (based on the organic compound constituting the layer) of an organic compound having fluorescence peak wavelength of 580-680nm in solution state (e.g. dicyanomethylenepyryrane of formula II).



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LEGAL STATUS

[Date of request for examination] 13.05.1997

[Date of sending the examiner's decision of rejection] 01.02.2000

[Kind of final disposal of application other than the examiner's decision of rejection or